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## Flavin mononucleotide photoinitiated cross-linking of hydrogels: polymer concentration threshold of strengthening

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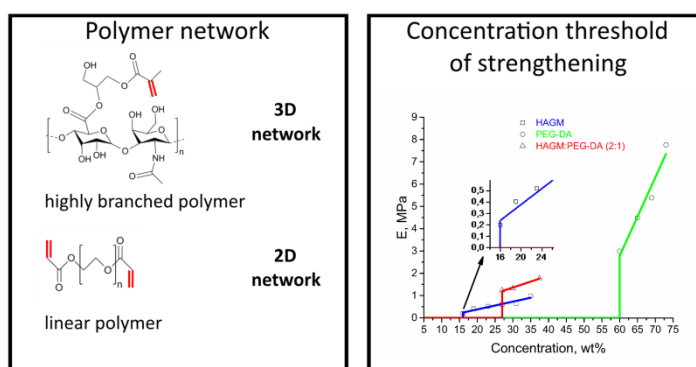
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### Graphical abstract



### Highlights

- Cross-linking of HAGM and PEG-DA aqueous solutions using endogenous photoinitiator FMN was demonstrated.
- Entire hydrogel structure formation has a polymer concentration threshold of strengthening.
- Polymer concentration thresholds correlate with findings of percolation theory for 3D and 2D lattices.
- Polymer concentration threshold of strengthening of hydrogel can be controlled.

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